ZigBee Wireless Lighting Control System

- Wireless communication utilizing 2.4GHz ISM Band (IEEE 802.15.4)
- Construction cost saving without wiring or conduit run required for communication
- On/Off and Dimming control of zone
- Easily set Group, Pattern, or Scene control depending on application
- Continuous dimming control via ODU-Z Daylight Sensor

Zigbee Wireless Lighting Control System Application (Classroom)

- ODU-Z ZigBee Daylight Sensor
- ZDT ZigBee Dimming Transceiver 0-10V
- CIT-Tiny Zigbee Contact Input Tiny ZigBee
- TLS4 ZigBee LCD Touch Switch
- PC Software
- TSZ ZigBee LCD Touch Programmer
TLS4 [LCD Touch Switch 4 Inch]  
**CRC3304/CRC3324**  
A LCD Touch switch to control the ZDT device via ZigBee wireless communication. It provides Individual, Group, Pattern, and Scene ON/OFF and dimming by configurable graphic buttons.  
**Features and Specifications**  
- TLS-Editor software provides easy configuration of buttons/background  
- LCD: 4" TFT-LCD, LED Backlight  
- Protocol: ZigBee  
- Memory: microSD Card  
- Input Voltage: 120/277 VAC  
- Signal Voltage: ± 24  
- Dimensions: 70(W) X 120(H) X 41.7(D)mm

ZDT [ZigBee Dimming Transceiver 0-10VDC]  
**CRC2700**  
Provides 10 Amp Hybrid Relay for ON/OFF control of load as well as 0-10 VDC dimming function.  
**Features and Specifications**  
- Input Voltage: 120/277 VAC  
- Dimming: 0-10 VDC Sinking  
- RF Frequency: 2.4GHz ISM Band, 16ch (IEEE 802.15.4)  
- Dimensions: 45.3(W) X 57.9(H) X 33.5(D)mm

CIT-Tiny-ZB [Contact Input Tiny-ZigBee] (Sensor Integration)  
**CRC2321**  
A contact input device that allows an external input signal (dry contact) to enable Individual, Group, and Pattern ON/OFF and Dimming Control  
**Features and Specifications**  
- Miniature size for easy installation  
- Input Signal: Dry Contact Input, Open Collector  
- Input Signal Voltage: Non-Polarized ± 24V  
- RF Frequency: 2.4GHz ISM Band, 16ch (IEEE 802.15.4)  
- Dimensions: 45.3(W) X 57.9(H) X 33.5(D)mm

ODU-Z [Daylight Sensor Unit-ZigBee]  
**CRC5042**  
An ambient daylight sensor that reads the daylight level and, based on illumination, controls the ON/OFF and dimming of ZigBee loads.  
**Features and Specifications**  
- Sensing Range: 0 - 2000 lux  
- Input Signal Voltage: Non-Polarized ± 24V; Signal Current: 11mA  
- RF Frequency: 2.4GHz ISM Band, 16ch (IEEE 802.15.4)  
- Dimensions: 105(Ø) X 69(D)mm

**NEXLIGHT**  
Extreme Reliability™  
*Lighting Control Systems*  
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